

# SEQUENCE LISTING

<110> WAHBI, Kamal et al.

<120> Nucleic acids coding for peptides having the biological activity of sorbin

<130> P07500US00/BAS

<140> 10/031,167

<141> 2001-01-17

<150> PCT/FR00/02076

<151> 2000-07-19

<150> FR 99/09406

<151> 1999-07-20

<160> 20

<170> PatentIn Ver. 2.1

<210> 1

<211> 474

<212> DNA

<213> swine

<400> 1

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aagaccacga cctacagacc cctctccaaa agccactctg acaatggcac cgacgccttt 240
aaggatgctt cctcacctgt ccctccccc ccatgttctc ctccagtgcc acctctgcga 300
ccaagagatc ggtcttcaac agaaaagcat gactgggac ctccagacag aaaagtggac 360
acgagaaaat ttcgatcgga gccacggtct atttttgaat acgagcctgg gaagtcatcc 420
atcctgcagc acgaacgacc cgtcacgaaa ccgcaagcag ggcgccgtaa ggta      474
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<210> 2

<211> 153

<212> PRT

<213> pig

<220>

<221> MOD\_RES

<222> (153)

<223> AMIDATION

<400> 2

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Met Arg Ala Ala Thr Pro Leu Gln Thr Val Asp Arg Pro Lys Asp Trp
  1             5             10             15
```

```
Tyr Lys Thr Met Phe Lys Gln Ile His Met Val His Lys Pro Asp Asp
      20             25             30
```

```
Asp Thr Asp Met Tyr Asn Thr Pro Tyr Thr Tyr Asn Ala Gly Leu Tyr
      35             40             45
```

Asn Ser Pro Tyr Ser Ala Gln Ser His Pro Ala Ala Lys Thr Gln Thr  
 50 55 60  
 Tyr Arg Pro Leu Ser Lys Ser His Ser Asp Asn Gly Thr Asp Ala Phe  
 65 70 75 80  
 Lys Asp Ala Ser Ser Pro Val Pro Pro Pro His Val Pro Pro Pro Val  
 85 90 95  
 Pro Pro Leu Arg Pro Arg Asp Arg Ser Ser Thr Glu Lys His Asp Trp  
 100 105 110  
 Asp Pro Pro Asp Arg Lys Val Asp Thr Arg Lys Phe Arg Ser Glu Pro  
 115 120 125  
 Arg Ser Ile Phe Glu Tyr Glu Pro Gly Lys Ser Ser Ile Leu Gln His  
 130 135 140  
 Glu Arg Pro Val Thr Lys Pro Gln Ala  
 145 150

<210> 3  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

<400> 3  
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 acacctcaca tgaaatatac atacaatgca ggtctgtaca acccacccta cagtgtctcag 180  
 tcacaccctg ctgcaaagac ccaaaoctac agacctcttt ccaaaagcca ctccgacaac 240  
 agccccaatg cctttaagga tgcgtcctcc ccagtgcctc cccacatgt tccacctcca 300  
 gtcccgccgc ttcgaccaag agatcgggtc tcaacagaaa agcatgactg ggatcctcca 360  
 gacagaaaag tggacacaag aaatttcggg tctgagccaa ggagtatttt tgaatacgag 420  
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 cgtgataagt cc 492

<210> 4  
 <211> 158  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MOD\_RES  
 <222> (158)  
 <223> AMIDATION

<400> 4  
 Met Lys Ala Thr Thr Pro Leu Gln Thr Val Asp Arg Pro Lys Asp Trp  
 1 5 10 15  
 Tyr Lys Thr Met Phe Lys Gln Ile His Met Val His Lys Pro Asp Asp  
 20 25 30

Asp Thr Asp Met Tyr Asn Thr Pro Thr Pro His Met Lys Tyr Thr Tyr  
35 40 45

Asn Ala Gly Leu Tyr Asn Pro Pro Tyr Ser Ala Gln Ser His Pro Ala  
50 55 60

Ala Lys Thr Gln Thr Tyr Arg Pro Leu Ser Lys Ser His Ser Asp Asn  
65 70 75 80

Ser Pro Asn Ala Phe Lys Asp Ala Ser Ser Pro Val Pro Pro Pro His  
85 90 95

Val Pro Pro Pro Val Pro Pro Leu Arg Pro Arg Asp Arg Ser Ser Thr  
100 105 110

Glu Lys His Asp Trp Asp Pro Pro Asp Arg Lys Val Asp Thr Arg Asn  
115 120 125

Phe Gly Ser Glu Pro Arg Ser Ile Phe Glu Tyr Glu Pro Gly Lys Ser  
130 135 140

Ser Ile Leu Gln His Glu Arg Pro Val Thr Lys Pro Gln Ala  
145 150 155

<210> 5

<211> 1794

<212> DNA

<213> Homo sapiens

<400> 5

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acacctcaca tgaatatata atacaatgca ggtctgtaca acccacccta cagtgtctcag 180  
tcacaccctg ctgcaaagac ccaaacctac agacctcttt ccaaaagcca ctccgacaac 240  
agccccaatg cctttaagga tgcgtctctc ccagtgccct cccacatgt tccacctcca 300  
gtcccgccgc ttcgaccaag agatcgggtc tcaacagaaa agcatgactg ggatcctcca 360  
gacagaaaag tggacacaag aaatttcggg tctgagccaa ggagtatttt tgaatacgag 420  
cctgggaagt catccatcct gcagcacgaa cgacctgtc accagtcttc catagacaga 480  
agcttggaag gaccagcag ctctgcaagc atggcgggtg actttagaaa acggaggaag 540  
agtgaacctg cagtgggccc gccaggggc ttgggggatc acagttcaag caggaccagc 600  
cccggccggg cagacctccc aggatcaagt tccaccttta ccacgtcttt cattagttct 660  
tctccttctc ctccctcgag agcacaaggt ggggatgata gcaaatgtg tccgccccct 720  
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agaaggcact tggacgtccc ccaggactct caaagggccca tcactttcaa gaacggctgg 840  
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aaaacgcata accccccctt taccctgaca tttagctttg aatatgcaca aaatagtttg 1320  
tggttagaat agaaccctat gtctgaaagt atatgtgttg ggatttcac ccatatatgg 1380  
tggttagccg caactcagag ataggtcggt ctggttagatt ctcacaacaa aaatgtataa 1440  
cacaagcttg aattcatgtt taagcaaata aaaataatgt gggagactgg acagaggtca 1500

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gggaccccag ggtgccaagt gtagctcaga gtcaccattg gtgaatcgct tcattctccat 1560
gtggaactaa atgcaactaa gtgatttctt aggccttccc cagtcattct tagtgaaaat 1620
atggacttcc cacatcaatt ctgagtcact ttcttcccac ctggaatgat taccattttt 1680
ctcatagtca gtgtatgcag cagcatatac cctcatttgc ctttgggtac attcctgagt 1740
caaatgtat aacacaaggt cacgaaaccg caagcagggc gccgtgataa gtcc 1794

```

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<210> 6
<211> 21
<212> DNA
<213> Homo sapiens

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<400> 6
cccgtcacga aaccgcaagc a 21

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<210> 7
<211> 30
<212> DNA
<213> Homo sapiens

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<400> 7
cacgaacgac ccgtcacgaa accgcaagca 30

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<210> 8
<211> 120
<212> DNA
<213> Homo sapiens

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<400> 8
cctccagaca gaaaagtgga cacaagaaat ttcgggtctg agccaaggag tatttttgaa 60
tacgagcctg ggaagtcata catcctgcag cacgaacgac ccgtcacgaa accgcaagca 120

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<210> 9
<211> 7
<212> PRT
<213> Homo sapiens

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<220>
<221> MOD_RES
<222> (7)
<223> AMIDATION

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<400> 9
Pro Val Thr Lys Pro Gln Ala
  1             5

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```

<210> 10
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<212> PRT
<213> Homo sapiens

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<220>

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<221> MOD\_RES  
<222> (10)  
<223> AMIDATION

<400> 10  
His Glu Arg Pro Val Thr Lys Pro Gln Ala  
1 5 10

<210> 11  
<211> 40  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MOD\_RES  
<222> (40)  
<223> AMIDATION

<400> 11  
Pro Pro Asp Arg Lys Val Asp Thr Arg Asn Phe Gly Ser Glu Pro Arg  
1 5 10 15

Ser Ile Phe Glu Tyr Glu Pro Gly Lys Ser Ser Ile Leu Gln His Glu  
20 25 30

Arg Pro Val Thr Lys Pro Gln Ala  
35 40

<210> 12  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> n=(a or c or t or g)

<400> 12  
aargayacnt ayaarac

17

<210> 13  
<211> 17  
<212> DNA  
<213> artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 13  
cggccgaagg actggta 17

<210> 14  
<211> 18  
<212> DNA  
<213> artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 14  
acaagccgag atgatgac 18

<210> 15  
<211> 22  
<212> DNA  
<213> artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 15  
gtcttcaaca gaaaagcatg ac 22

<210> 16  
<211> 17  
<212> DNA  
<213> artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> n=(a or c or t or g)

<400> 16  
ggncgytcrt gytgyag 17

<210> 17  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 17  
ggatcccagt catgctt

17

<210> 18  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 18  
tgatgactt cccaggc

17

<210> 19  
<211> 48  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

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48

<210> 20  
<211> 21  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 20  
tgcttgcggt ttctgacgg g

21